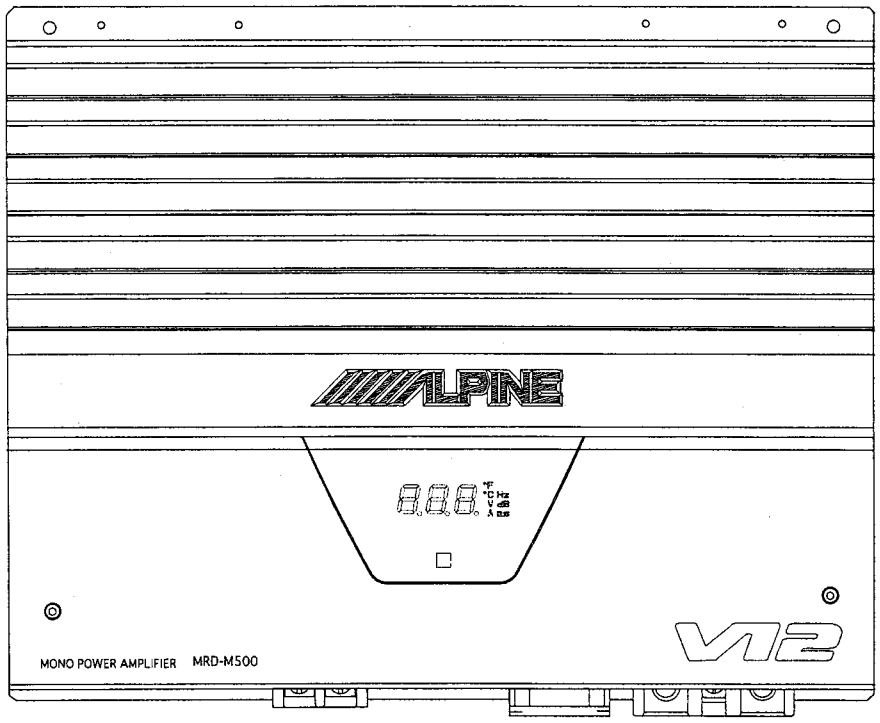
ALPINE

SERVICE MANUAL

MONO POWER AMPLIFIER



MRD-M500

<Cautions for Safe Repair Work>

The following cautions will prevent accidents in the workplace and will ensure safe products.

●The symbols indicate caution is needed to prevent injuries and damage to property.
The symbols and their meanings follow.

⚠ **Warning**	If you ignore this symbol and handle the product incorrectly or unsafely, serious injury or death may result.
⚠ **Caution**	If you ignore this symbol and handle the product incorrectly or unsafely, injury or only material damage may result.

●The following symbols indicate two levels of cautions.

⚠	When you see this symbol, you have to be very careful.
❗	When you see this symbol, you have to follow the instructions there.

⚠ Warning

⚠ **Do not look squarely into the laser light coming from the pickup.** You may loose you sight.	❗ **Fuse Caution** Always use a designated fuse. Use of an incorrect fuse may result in a fire.

⚠ Caution

⚠ **Do not allow wiring to be caught in the screw/chassis.** If wiring is caught in the screw/chassis, it may cause a short circuit, resulting in a fire.	❗ **Battery Caution** Use the designated battery. Confirm the correct polarity and seat of the battery. An incorrect battery or an improperly connected or seated battery may result in a fire.
⚠ **High Temperature Caution** Touching the heat sink may cause severe burns.	❗ **Designated Parts Caution** Look up the part list and ensure that only designated parts are used to prevent problems or accidents.
⚠ **Reverse Power Supply Connections or Misconnections Caution** Reverse power supply connections or misconnections may cause ignition problems and smoke may result.	❗ **Wiring Caution** Ensure that the wiring is correct when rewiring to prevent problems with ignition/breakdown.
⚠ **Soldering Caution** Hot solder from solder splash may cause severe burns.	❗ **Wear Gloves** Wear gloves to prevent electrical shocks or injury from the end face of the metal.

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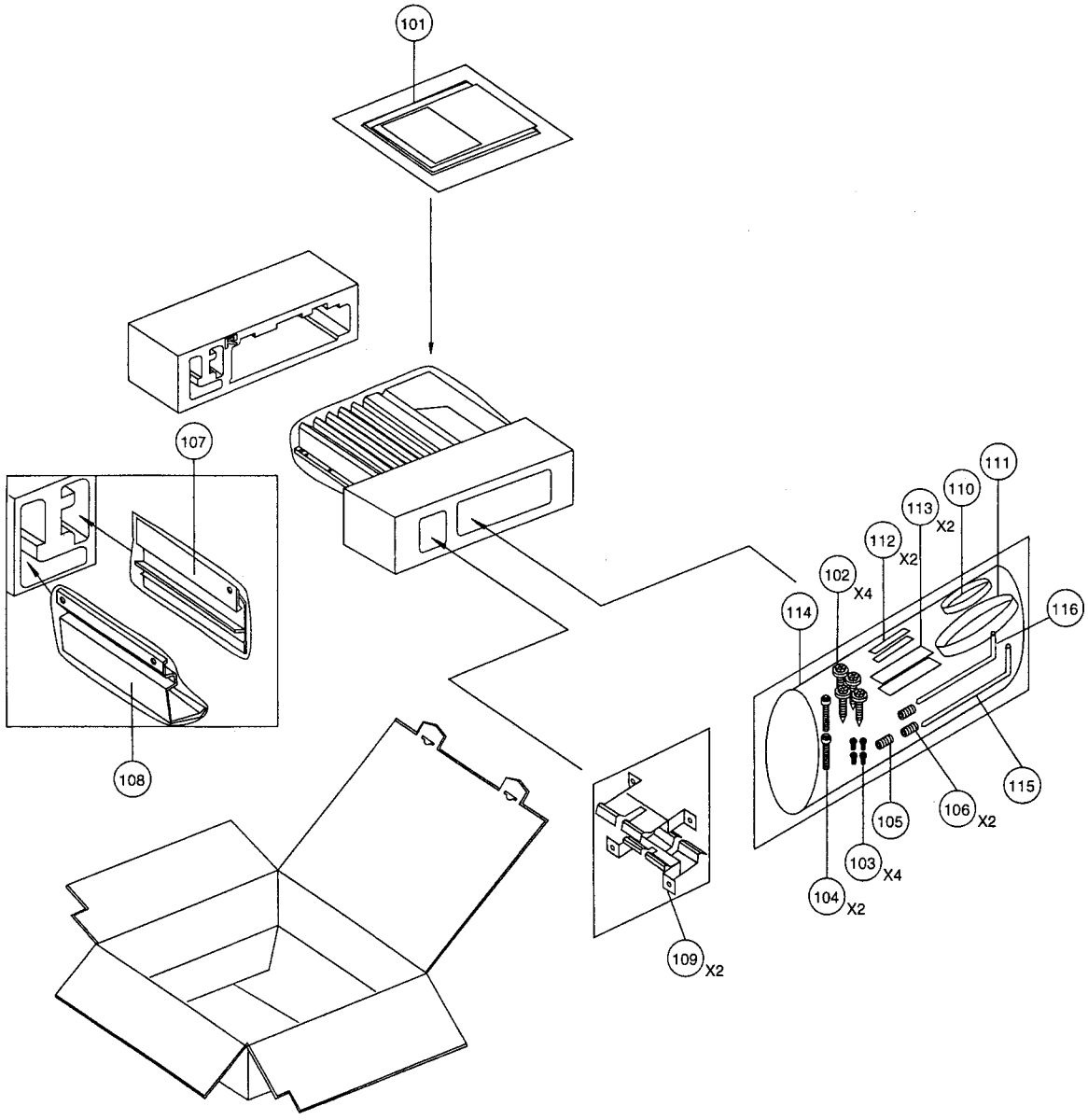
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description
101-1	68P02294K28	OWNER'S MANUAL(GE)
101-2	68P02294K23	OWNER'S MANUAL(I,G,S)
102	03E11447S01	SCR M4X14 TPG1,BLK
103	03E32133S01	SCR M3X5(B)MCH(BLK)
104	03E33366S01	WRENCH BOLT M3X12(WHT)
105	03E29353W01	SCR(6) M4X10(GOLD)
106	03E29533S01	SCR(6) M5X6(GOLD)
107	15E33410S01	COVER END
108	15E33411S01	COVER TERMINAL

Symbol No.	Part No.	Description
109	07E33370S01	BKT,SPRING
110	28E20925S01	HOUSING RUBBER-A
111	28E25541S01	HOUSING RUBBER-E
112	75E33371S01	CUSHION,PAD(A)(35X7)
113	75E33372S01	CUSHION,PAD(B)(50X10)
114	75E33380S01	HOUSING RUBBER-H
115	47E22594S01	WRENCH(6)(2.5mmX2.9mm)
116	01E28659S01	WRENCH(6)(2mmX2.3mm)

Packing Method View



Specifications

Power Output (20Hz, 100Hz)	4ohm, 1% T.H.D., 14.4V : 260W
	2ohm, 1% T.H.D., 14.4V : 500W
T.H.D. (100Hz)	200W/ch/4ohm, 14.4V : 1%
S/N Ratio (Ref. Output 300W/4ohm, Input short, Gain Position -12dB)	81dB
Residual Noise (Input Short, Gain Position -12dB)	3mV
Frequency Response (Ref. 100Hz, 0dB)	20Hz : -0.5±2dB
	350Hz : -6±2dB
Input Impedance	100k ohm±10%
Input Sensitivity (Power Gain at 300W/4ohm Output, Gain Position -12dB)	RCA Input Level : 1.95V±2dB
Remote on Voltage (1W Output)	6.5±1V
Current Drain	No Signal : 1.5A
	10% T.H.D., 2ohm Load : 80A
	Remote Current Drain : 0.26±0.1mA
	Back-Up Current Drain : 0.1mA
Pre-Out Level (at 1V Input)	1V±2dB
Fuse Requirement	60A (For Battery Line)
Power Source	DC14.4V (11~16V)
Dimensions (W×H×D)	315×67.6×247mm
Weight	4kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

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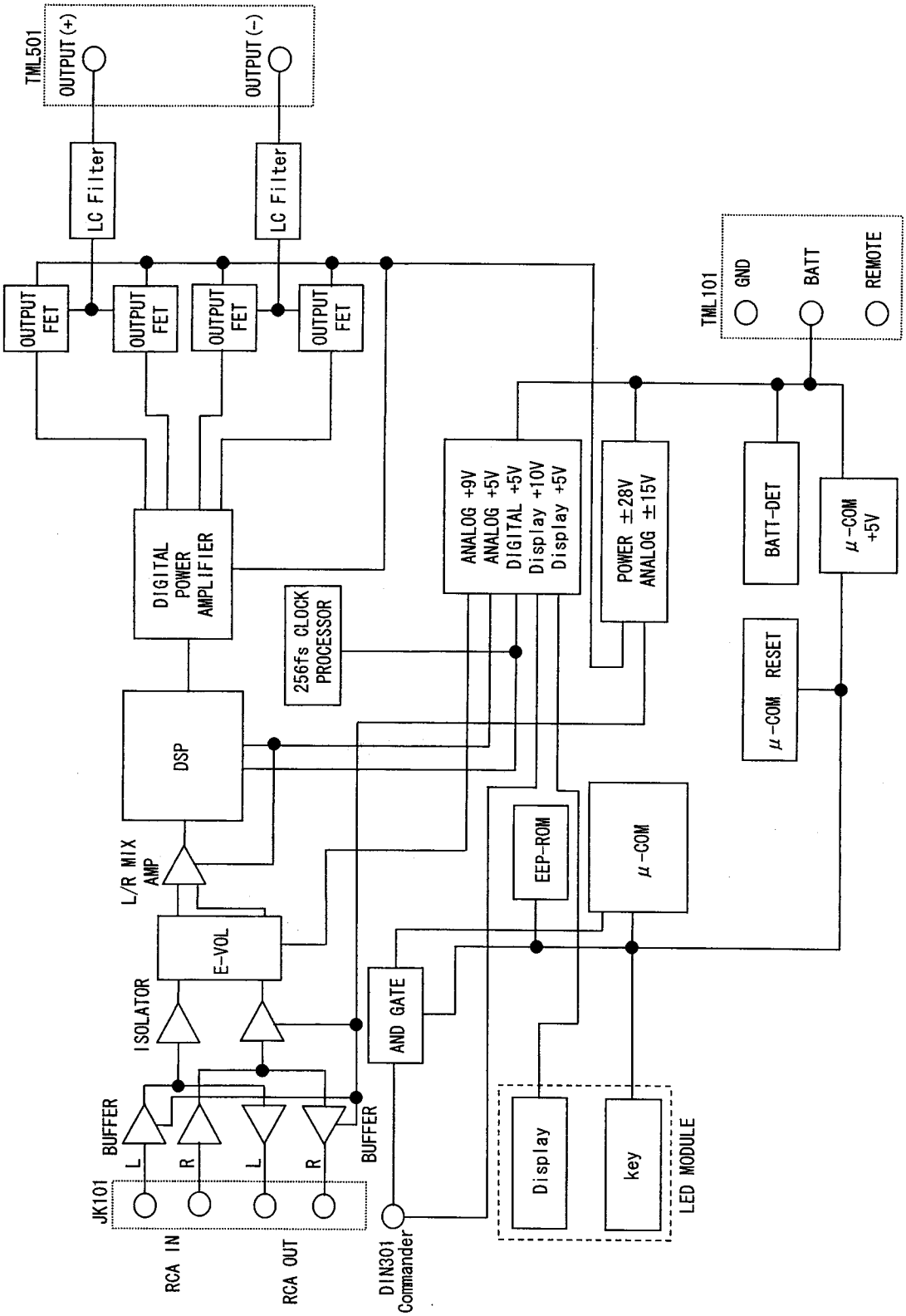
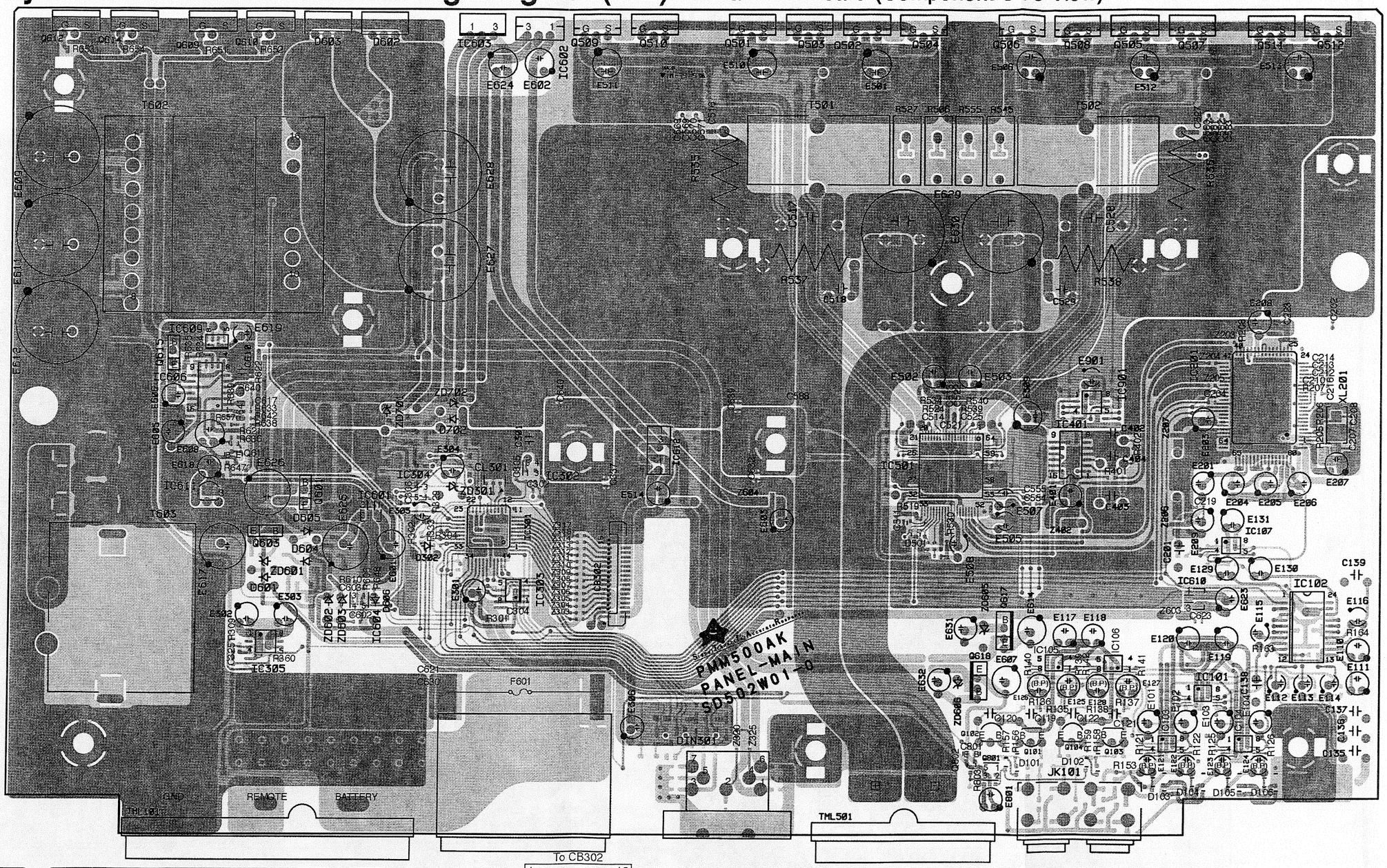
Block Diagram

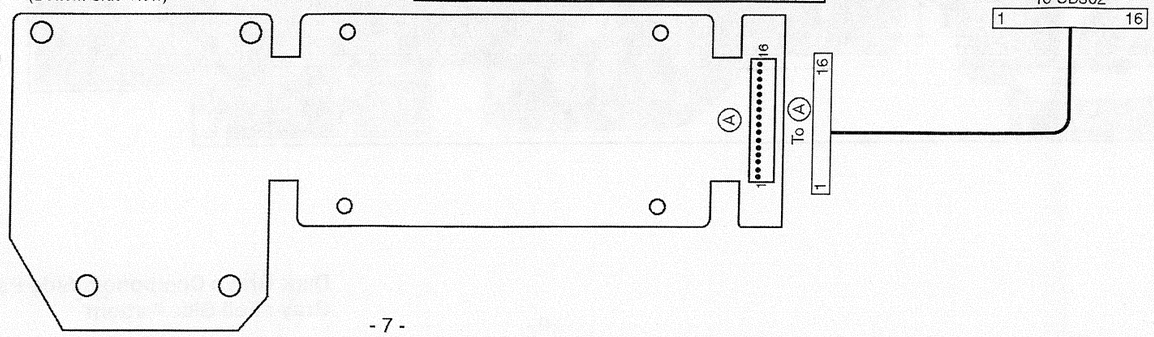


Parts Layout on P.W.Board and Wiring Diagram (1/2)

Main P.W.Board (Component Side View)



ASS'Y LED MODULE
(Bottom Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Board and Wiring Diagram (2/2)

1

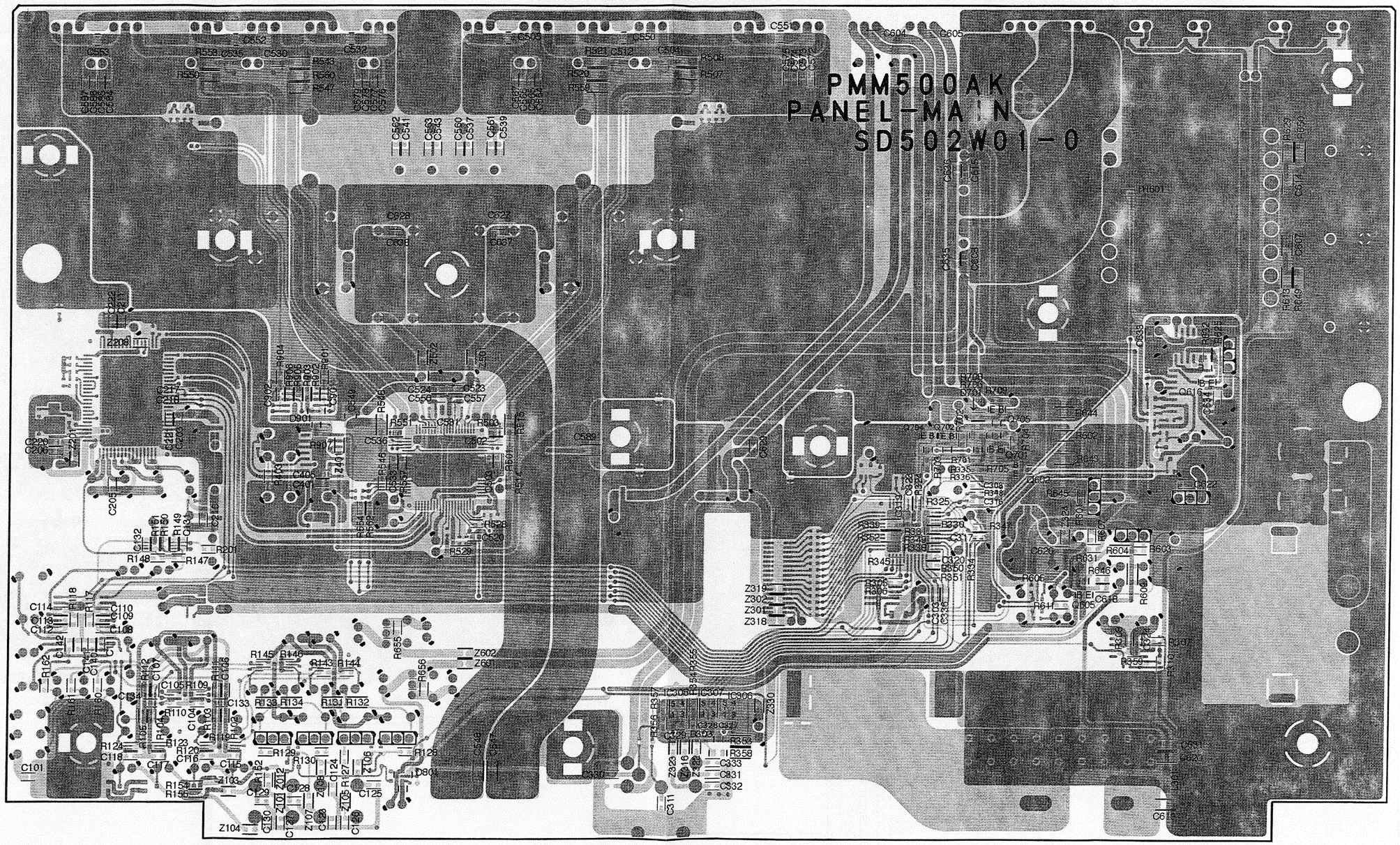
2

3

4

5

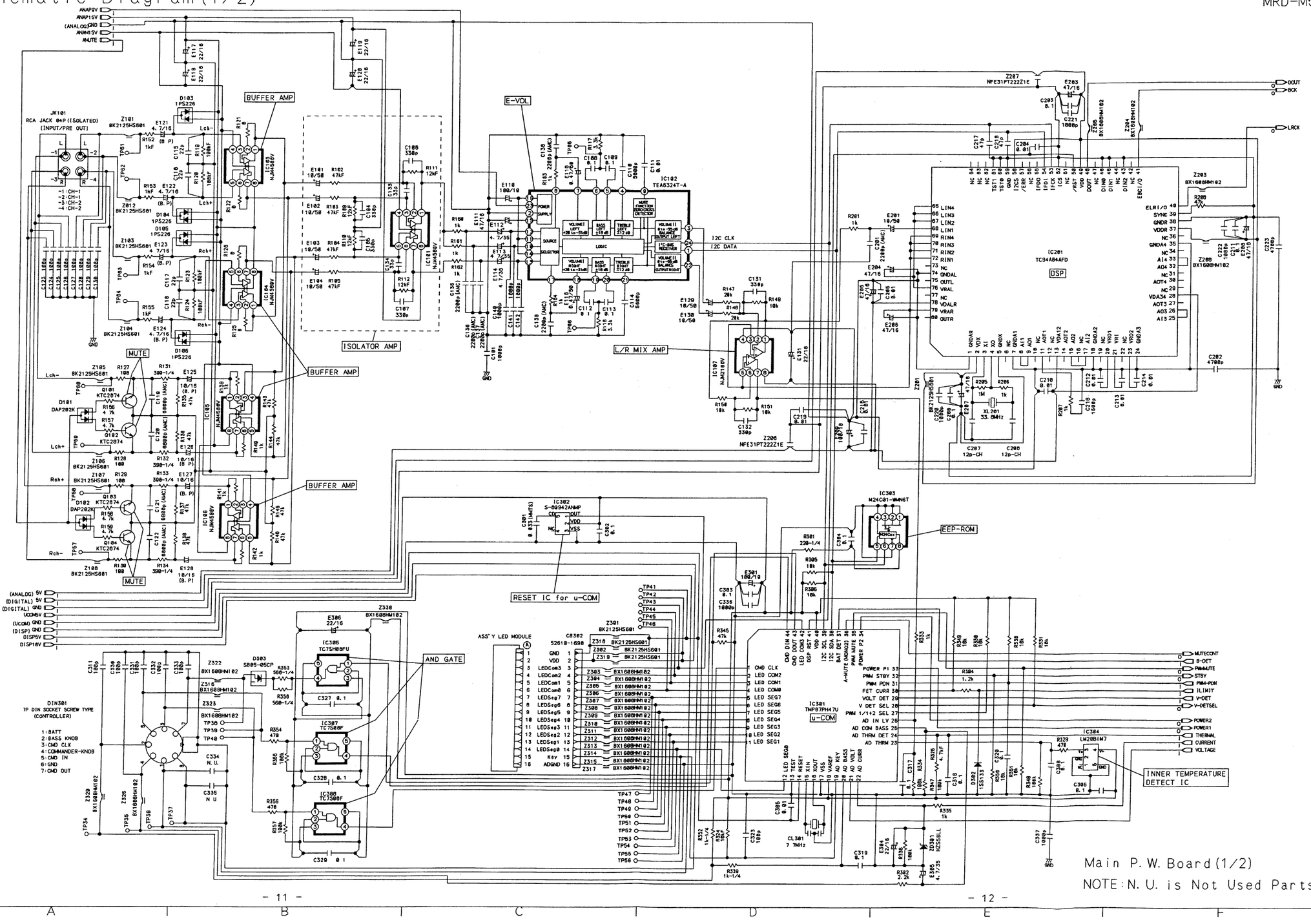
Main P.W.Board (Foil Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Schematic Diagram (1/2)

MRD-M500



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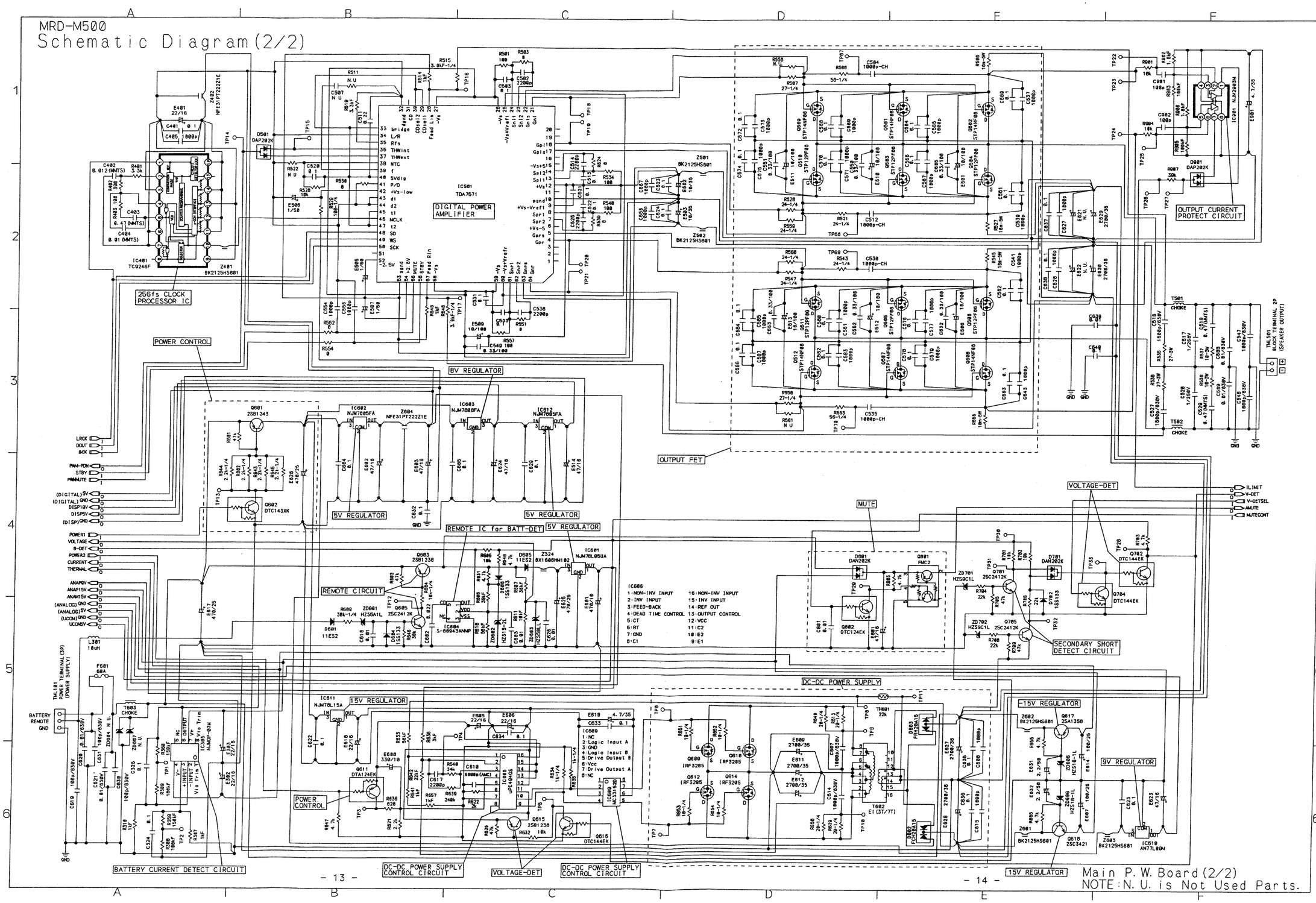
Schematic Diagram (2/2)



Main P. W. Board (2/2)
NOTE : N. U. is Not Used Parts.

Terminal Voltage of IC/TR

IC101	
1	0.4m
2	1.6m
3	2.4m
4	-15.54
5	2.3m
6	2.2m
7	0.9m
8	15.2

IC102					
1	4.91	9	8.86	17	4.48
2	1.2m	10	4.46	18	4.41
3	4.48	11	4.48	19	4.46
4	4.48	12	4.46	20	4.48
5	4.48	13	4.46	21	4.48
6	4.46	14	4.48	22	4.48
7	4.41	15	8.84	23	8.91
8	4.48	16	4.47	24	4.91

IC103	
1	11.7m
2	11.8m
3	11.8m
4	-15.54
5	11.7m
6	11.7m
7	11.7m
8	15.2

IC104	
1	11.2m
2	11.1m
3	11.6m
4	-15.54
5	11.6m
6	11.6m
7	11.5m
8	15.2

IC105	
1	11.6m
2	11.5m
3	11.8m
4	-15.54
5	11.7m
6	11.6m
7	11.6m
8	15.2

IC106	
1	11.3m
2	11.2m
3	11.6m
4	-15.54
5	11.2m
6	11m
7	11.1m
8	15.2

IC107	
1	2.53
2	2.53
3	2.53
4	1.1m
5	2.53
6	2.53
7	2.53
8	5.06

IC201							
1	1.1m	21	2.54	41	PS	61	0.1m
2	5.06	22	NC	42	NC	62	NC
3	PS	23	2.54	43	1.1m	63	NC
4	PS	24	1.1m	44	NC	64	NC
5	1.1m	25	2.51	45	1.1m	65	2.54
6	NC	26	2.51	46	1.1m	66	2.54
7	1.1m	27	NC	47	NC	67	2.54
8	2.51	28	5.06	48	PS	68	2.53
9	2.51	29	NC	49	5.06	69	2.53
10	NC	30	NC	50	4.91	70	2.53
11	2.51	31	NC	51	NC	71	2.53
12	NC	32	2.51	52	1.1m	72	2.53
13	5.06	33	2.51	53	PS	73	NC
14	NC	34	NC	54	PS	74	1.1m
15	2.51	35	1.1m	55	NC	75	NC
16	NC	36	NC	56	NC	76	2.54
17	2.51	37	5.06	57	NC	77	NC
18	1.1m	38	1.1m	58	5.06	78	5.06
19	NC	39	1m	59	0.1m	79	2.53
20	2.54	40	PS	60	0.1m	80	NC

IC301							
1	PS	12	PS	23	1.46	34	4.79
2	PS	13	0.7m	24	3.75	35	4.85
3	PS	14	4.8	25	1.3m	36	4.88
4	PS	15	PS	26	2.5	37	4.91
5	PS	16	PS	27	35.2m	38	PS
6	PS	17	0.6m	28	36.4m	39	PS
7	PS	18	4.91	29	4.47	40	4.92
8	PS	19	4.91	30	4.91	41	4.91
9	PS	20	4.91	31	4.91	42	PS
10	PS	21	3.58	32	4.85	43	PS
11	PS	22	177.4m	33	4.8	44	PS

IC302	
1	4.8
2	4.92
3	0.7m
4	NC
5	0.6m

IC303	
1	0.6m
2	0.6m
3	0.6m
4	0.6m
5	PS
6	PS
7	0.8m
8	4.92

IC305	
1	NC
2	0.8m
3	0.8m
4	-15.54
5	NC
6	45m
7	15.2
8	NC

IC307	
1	PS
2	4.92
3	0.7m
4	PS
5	4.92

IC308	
1	PS
2	4.92
3	0.7m
4	PS
5	4.92

IC304	
1	NC
2	0.6m
3	1.42
4	4.92
5	0.6m

IC306	
1	PS
2	4.92
3	0.7m
4	PS
5	4.92

IC401			
1	PS	9	0.9m
2	PS	10	PS
3	5.06	11	5.06
4	PS	12	5.06
5	PS	13	0.9m
6	0.7m	14	5.06
7	0.9m	15	NC
8	NC	16	5.06

IC501									
1	NC	14	28.04	27	-28.1	40	4.89	53	0.8m
2	NC	15	NC	28	PS	41	0.8m	54	2.46
3	NC	16	NC	29	4.89	42	26.09	55	4.85
4	PS	17	PS	30	4.89	43	0.8m	56	4.85
5	PS	18	PS	31	NC	44	0.8m	57	PS
6	NC	19	NC	32	0.8m	45	4.89	58	-28.1
7	28.05	20	NC	33	4.89	46	PS	59	-28.1
8	28.05	21	PS	34	0.8m	47	4.89	60	-18.14
9	18.21	22	PS	35	2.62	48	PS	61	-28.08
10	0.9m	23	-28.08	36	4.67	49	PS	62	-28.08
11	NC	24	-28.08	37	4.69	50	PS	63	PS
12	28.06	25	-18.14	38	4.86	51	NC	64	PS
13	28.04	26	-28.1	39	4.86	52	-2.42		

IC601	
1	4.91
2	0.5m
3	13.61

IC603	
1	14.3
2	2.3m
3	8.01

IC606			
1	0.97	9	PS
2	0.97	10	PS
3	3.98	11	12.82
4	2.6m	12	12.82
5	PS	13	4.99
6	PS	14	4.99
7	0.6m	15	4.9
8	12.82	16	0.6m

IC602	
1	5.07
2	0.4m
3	14.3

IC604	
1	4.91
2	7.98
3	0.6m
4	NC
5	0.6m

IC609	
1	NC
2	PS
3	0.7m
4	PS
5	PS
6	12.82
7	PS
8	NC

IC610	
1	8.91
2	1.1m
3	14.3

IC612	
1	5.11
2	3.8m
3	8.01

IC901	
1	4.63
2	-28.29
3	-27.61
4	-28.12
5	-27.6
6	-28.09
7	4.66
8	0.8m

IC611	
1	12.81
2	0.5m
3	14.3

Ref.No	E	C	B
Q101	1.1m	0.9m	PS
Q102	1.1m	0.9m	PS
Q103	1.1m	0.9m	PS
Q104	1.1m	0.9m	PS
Q601	14.34	14.3	13.62
Q602	0.8m	78.7m	4.8
Q603	14.34	14.31	13.68
Q605	0.6m	27.2m	0.66
Q611	4.99	2.2m	4.78
Q615	12.82	12.82	12.19
Q616	0.5m	30.2m	4.47
Q617	-15.58	-28.1	-16.15
Q618	15.23	28.06	15.83
Q701	0.6m	8.6m	0.69
Q702	0.6m	4.47	17.2m
Q704	0.6m	7.4m	36.4m
Q705	-28.1	-28.09	-27.41
Q802	1.1m	39.3m	4.88

Ref.No	D	S	G
Q501	PS	-28.11	PS
Q502	PS	-28.11	PS
Q503	PS	28.06	PS
Q504	PS	28.06	PS
Q505	PS	28.06	PS
Q506	PS	28.06	PS
Q507	PS	-28.11	PS
Q508	PS	-28.11	PS
Q509	PS	-28.11	PS
Q510	PS	28.06	PS
Q511	PS	28.06	PS
Q512	PS	-28.11	PS
Q609	PS	0.9m	PS
Q610	PS	0.9m	PS
Q612	PS	0.9m	PS
Q614	PS	0.9m	PS

Ref.No	1	2	3	4	5
Q801	NC	PS	14.62	39.1m	1.1m

[Measuring Conditions]

- ·Power Supply Voltage : DC14.4V
- ·Measuring Meter : Digital Multi Voltmeter
- ·Measuring Point Reference : Between GND
- ·Measuring Condition : No signal input

Description of IC Terminal

TMP87PH47U : IC301

No.	Symbol	I/O	Terminal Description
1	CMD CLK	I	Outer commander clock terminal.
2	LED COM2	O	LED common signal 2 output terminal.
3	LED COM1	O	LED common signal 1 output terminal.
4	LED COM0	O	LED common signal 0 output terminal.
5	LED SEG7	O	LED segment 7 output terminal.
6	LED SEG6	O	LED segment 6 output terminal.
7	LED SEG5	O	LED segment 5 output terminal.
8	LED SEG4	O	LED segment 4 output terminal.
9	LED SEG3	O	LED segment 3 output terminal.
10	LED SEG2	O	LED segment 2 output terminal.
11	LED SEG1	O	LED segment 1 output terminal.
12	LED SEG0	O	LED segment 0 output terminal.
13	TEST	I	TEST terminal.
14	RESET	I	RESET terminal.
15	XIN	I	Crystal OSC connect terminal.
16	XOUT	O	
17	VSS	I	GND connect terminal of A/D converter.
18	VAREF	I	Analog standard voltage terminal.
19	AD KEY	I	KEY level input terminal.
20	AD BASS	I	Gain level input terminal. (Bass Knob)
21	AD VOLT	I	Voltage signal input terminal.
22	AD CURR	I	Current signal input terminal.
23	AD THRM	I	Temperature signal input terminal.
24	AD THRM DET	I	Temperature detect input terminal.
25	AD COM BASS	O	Gain level input terminal. (Commander)
26	AD IN LV	I	Input level signal input terminal.
27	PWM 1/1+2 SEL	O	PWM-1/1+2 select output terminal.
28	V DET SEL	O	VOLT-DET circuit ON/OFF terminal.
29	VOLT DET	I	VOLT-DET terminal.
30	FET CURR	I	FET current error detect terminal.
31	PWM PDN	I	PWM-PDN input terminal.
32	PWM STBY	O	PWM-STAND-BY output terminal.
33	POWER P1	O	Power supply circuit control signal output terminal.
34	POWER P2		
35	PWM MUTE	O	PWM-MUTE output terminal.
36	A-MUTE(MONO2)	O	A-MUTE signal terminal. (MONO2)
37	BAT DET	I	BAT-DET terminal.
38	I2C SDA	O	I2C-SDA output terminal.
39	I2C SCL	O	I2C-SCL output terminal.
40	VDD	I	Power supply terminal. (4.5~5.5V)
41	DSP RST	O	DSP-RESET output terminal.
42	LED COM3	O	LED common signal 3 output terminal.
43	CMD DOUT	O	Outer commander data output terminal.
44	CMD DIN	I	Outer commander data input terminal.

Electrical Parts List

Capacitor : μF=microfarads,pF=picofarads

Abbreviations

RES.= Resistor	CAP.= Capacitor
C.F.= Carbon Film	ELY.= Electrolytic
M.F.= Metal Film	CER.= Ceramic
M.O.= Metal OxideFilm	MYL.= Mylar
M.P.= Metal Plate	TAN.= Tantalum
TR. = Transistor	POLY.= Polystyrol
TRANS.= Transformer	PP. = Polypropylene
CP. = Chip	PLT.= Polyethylene
	PF. = Polyester Film

Symbol No.	Part No.	Description
Main P.W.Board		
IC's		
IC101	51T25576W07	NJM4580V-TE2-SE2
IC102	51T15168Y01	IC, TEA6324T-A
IC103	51T25576W07	NJM4580V-TE2-SE2
IC104	51T25576W07	NJM4580V-TE2-SE2
IC105	51T25576W07	NJM4580V-TE2-SE2
IC106	51T25576W07	NJM4580V-TE2-SE2
IC107	51T55166Y01	NJM2100V-TE2-SE2
IC201	51T45654Y01	TC94A04AFD-QF
IC301	51T55543Y05	OTP,TMP87PH47U-QT
IC302	51T15720Y18	S-80942ANMP-T2-CP
IC303	51T25158Y01	IC, M24C01-WMN6T-SE2
IC304	51T55129Y01	LM20BIM7-CP
IC305	51E33393S01	IC,NJMOP-07M-TE3
IC306	51T15185Y01	IC TC7SH08FU-TE85L
IC307	51T15731W08	IC, TC7S08F-TE05L-CP
IC308	51T15731W08	IC, TC7S08F-TE05L-CP
IC401	51T35012Y01	IC, TC9246F-EL
IC501	51T55104Y01	TDA7571
IC601	51T11054W02	NJM78L05UA-TE1-NE2
IC602	51T80338F01	IC,NJM 7805 FA
IC603	51T45288Y01	IC,NJM7808FA
IC604	51T15720Y02	S-80943ANMP-T2-CP
IC606	51E27890S01	IC,uPC 494GS
IC609	51T55433Y01	MC33152D
IC610	51T75197W09	AN77L09M-TX-NE2
IC611	51T45446Y03	IC, NJM78L15A-T3-RD
IC612	51T80338F01	IC,NJM 7805 FA
IC901	51E23843S01	IC,NJM2903M-TE3
Transistors/FET's		
Q101	48E31104S01	TR,KTC2874-B-RD
Q102	48E31104S01	TR,KTC2874-B-RD
Q103	48E31104S01	TR,KTC2874-B-RD
Q104	48E31104S01	TR,KTC2874-B-RD
Q501	48T55444Y01	FET,STP14NF06-DS
Q502	48T55444Y01	FET,STP14NF06-DS
Q503	48T55443Y01	FET,STP12PF06-DS
Q504	48T55443Y01	FET,STP12PF06-DS
Q505	48T55443Y01	FET,STP12PF06-DS
Q506	48T55443Y01	FET,STP12PF06-DS
Q507	48T55444Y01	FET,STP14NF06-DS
Q508	48T55444Y01	FET,STP14NF06-DS
Q509	48T55444Y01	FET,STP14NF06-DS
Q510	48T55443Y01	FET,STP12PF06-DS
Q511	48T55443Y01	FET,STP12PF06-DS
Q512	48T55444Y01	FET,STP14NF06-DS
Q601	48T84366F05	TR. B1243-R-TV4
Q602	48E22095S01	TR, DTC 143XK-T-146-CP
Q603	48E23541S01	TR,2SB 1238P-TL4-RD
Q605	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q609	48E33387S01	FET, IRF3205
Q610	48E33387S01	FET, IRF3205
Q611	48E22092S01	TR,DTA 124EK-T146-CP
Q612	48E33387S01	FET, IRF3205
Q614	48E33387S01	FET, IRF3205
Q615	48E23541S01	TR,2SB 1238P-TL4-RD
Q616	48E22555S01	TR,DTC 144EK-T146-CP
Q617	48T69177F01	TR,2SA1358-O-RD
Q618	48T69176F02	TR 2SC3421-Y
Q701	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q702	48E22555S01	TR,DTC 144EK-T146-CP
Q704	48E22555S01	TR,DTC 144EK-T146-CP
Q705	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q801	48E11274S01	TR,FMC2-T-149-CP
Q802	48E10426S01	TR,DTC 124EK-T146-CP
Diodes		
D101	48E23841S01	DIO,DAP,202K-T-146-CP
D102	48E23841S01	DIO,DAP,202K-T-146-CP
D103	48T85357W01	DIO, 1PS 226-CP
D104	48T85357W01	DIO, 1PS 226-CP
D105	48T85357W01	DIO, 1PS 226-CP
D106	48T85357W01	DIO, 1PS 226-CP
D302	48T68828F11	DIO,1SS133-RH
D303	48T15702W01	DIO,CP SB05-05-CP
D501	48E23841S01	DIO,DAP,202K-T-146-CP
D601	48T84052F11	DIO SI 11ES2-TB5-R5

Symbol No.	Part No.	Description
D602	48T45335Y01	DIO, SHT FCH20A15-DS
D603	48T45335Y02	DIO, SHT FRH20A15-DS
D604	48T68828F11	DIO, 1SS133-RH
D605	48T84052F11	DIO SI 11ES2-TB5-R5
D606	48T68828F11	DIO, 1SS133-RH
D701	48E10945S01	DIO, DAN 202K-T-146-CP
D702	48T68828F11	DIO, 1SS133-RH
D801	48E10945S01	DIO, DAN 202K-T-146-CP
D901	48E23841S01	DIO, DAP, 202K-T-146-CP
ZD301	48T25801W11	DIO, ZEN, HZS 5BLL-R5
ZD601	48T25766W01	DIO, ZEN, HZS 6A1L-R5
ZD602	48T25766W46	DIO, ZEN HZS 15-2L-R5
ZD603	48T25801W11	DIO, ZEN, HZS 5BLL-R5
ZD605	48T25766W48	DIO, ZEN HZS16-1L-R5
ZD606	48T25766W48	DIO, ZEN HZS16-1L-R5
ZD701	48T25766W24	DIO, ZEN HZS 9C1L-R5
ZD702	48T25766W24	DIO, ZEN HZS 9C1L-R5

Filters

Z012	91T65112W04	EMI, BK2125 HS601-CP
Z101	91T65112W04	EMI, BK2125 HS601-CP
Z103	91T65112W04	EMI, BK2125 HS601-CP
Z104	91T65112W04	EMI, BK2125 HS601-CP
Z105	91T65112W04	EMI, BK2125 HS601-CP
Z106	91T65112W04	EMI, BK2125 HS601-CP
Z107	91T65112W04	EMI, BK2125 HS601-CP
Z108	91T65112W04	EMI, BK2125 HS601-CP
Z201	91T65112W04	EMI, BK2125 HS601-CP
Z203	91T15509Y08	EMI, BX1608HM102-CP
Z204	91T15509Y08	EMI, BX1608HM102-CP
Z205	91T15509Y08	EMI, BX1608HM102-CP
Z206	91T15058Y07	EMI, NFE31PT222Z1E-CP
Z207	91T15058Y07	EMI, NFE31PT222Z1E-CP
Z208	91T15509Y08	EMI, BX1608HM102-CP
Z301	91T65112W04	EMI, BK2125 HS601-CP
Z302	91T65112W04	EMI, BK2125 HS601-CP
Z303	91T15509Y08	EMI, BX1608HM102-CP
Z304	91T15509Y08	EMI, BX1608HM102-CP
Z305	91T15509Y08	EMI, BX1608HM102-CP
Z306	91T15509Y08	EMI, BX1608HM102-CP
Z307	91T15509Y08	EMI, BX1608HM102-CP
Z308	91T15509Y08	EMI, BX1608HM102-CP
Z309	91T15509Y08	EMI, BX1608HM102-CP
Z310	91T15509Y08	EMI, BX1608HM102-CP
Z311	91T15509Y08	EMI, BX1608HM102-CP
Z312	91T15509Y08	EMI, BX1608HM102-CP
Z313	91T15509Y08	EMI, BX1608HM102-CP
Z314	91T15509Y08	EMI, BX1608HM102-CP
Z315	91T15509Y08	EMI, BX1608HM102-CP
Z316	91T15509Y08	EMI, BX1608HM102-CP
Z317	91T15509Y08	EMI, BX1608HM102-CP
Z318	91T65112W04	EMI, BK2125 HS601-CP
Z319	91T65112W04	EMI, BK2125 HS601-CP
Z320	91T15509Y08	EMI, BX1608HM102-CP
Z322	91T15509Y08	EMI, BX1608HM102-CP
Z323	91T15509Y08	EMI, BX1608HM102-CP
Z324	91T15509Y08	EMI, BX1608HM102-CP
Z325	91T15509Y08	EMI, BX1608HM102-CP
Z330	91T15509Y08	EMI, BX1608HM102-CP
Z401	91T65112W04	EMI, BK2125 HS601-CP
Z402	91T15058Y07	EMI, NFE31PT222Z1E-CP
Z501	91T65112W04	EMI, BK2125 HS601-CP
Z502	91T65112W04	EMI, BK2125 HS601-CP
Z601	91T65112W04	EMI, BK2125 HS601-CP
Z602	91T65112W04	EMI, BK2125 HS601-CP
Z603	91T65112W04	EMI, BK2125 HS601-CP
Z604	91T15058Y07	EMI, NFE31PT222Z1E-CP

Coils

L301	24T95586W27	IND, LK3216 10RK-CP
T501	24E33389S01	CHOKE COIL T106-8(15uH)
T502	24E33389S01	CHOKE COIL T106-8(15uH)
T603	24E33390S01	CHOKE TRANS 35mm

Crystals

CL301	91T45281Y04	OSC, CER CSTCR7M70-E1
XL201	91T55217Y02	XTL, NX8045GB 33.8-E5

Thermistor

TH601	48T25250Y06	TMT, ERTJ1VR223G-CP

Transformer

T602	25E33388S01	TRANS, EI (3T/7T)

Capacitors

C101	08E33110S01	CAP, CER 102-K-B1H-CP
C104	08E32057S01	CAP, CER 331-J-CH1H-CP

Symbol No.	Part No.	Description
C105	08E32057S01	CAP, CER 331-J-CH1H-CP
C106	08E32057S01	CAP, CER 331-J-CH1H-CP
C107	08E32057S01	CAP, CER 331-J-CH1H-CP
C108	08E31820S01	CAP, CER 104-K-B1E-CP
C109	08E31820S01	CAP, CER 104-K-B1E-CP
C110	08E31817S01	CAP, CER 562-K-B1H-CP
C111	08E28771S01	CAP, CER 103-K-B1H-CP
C112	08E31820S01	CAP, CER 104-K-B1E-CP
C113	08E31820S01	CAP, CER 104-K-B1E-CP
C114	08E31817S01	CAP, CER 562-K-B1H-CP
C115	08E33394S01	CAP, CER 22R-J-CH1H-CP
C116	08E33394S01	CAP, CER 22R-J-CH1H-CP
C117	08E33394S01	CAP, CER 22R-J-CH1H-CP
C118	08E33394S01	CAP, CER 22R-J-CH1H-CP
C119	08E33404S01	CAP, MYL, 682-J-RD(5.0*12)
C120	08E33404S01	CAP, MYL, 682-J-RD(5.0*12)
C121	08E33404S01	CAP, MYL, 682-J-RD(5.0*12)
C122	08E33404S01	CAP, MYL, 682-J-RD(5.0*12)
C123	08E32056S01	CAP, CER 101-J-CH1H-CP
C124	08E32056S01	CAP, CER 101-J-CH1H-CP
C125	08E32056S01	CAP, CER 101-J-CH1H-CP
C126	08E32056S01	CAP, CER 101-J-CH1H-CP
C127	08E32056S01	CAP, CER 101-J-CH1H-CP
C128	08E32056S01	CAP, CER 101-J-CH1H-CP
C129	08E32056S01	CAP, CER 101-J-CH1H-CP
C130	08E32056S01	CAP, CER 101-J-CH1H-CP
C131	08E32057S01	CAP, CER 331-J-CH1H-CP
C132	08E32057S01	CAP, CER 331-J-CH1H-CP
C133	08E33330S01	CAP, CER 33R-J-CH1H-CP
C134	08E33330S01	CAP, CER 33R-J-CH1H-CP
C135	08E33403S01	CAP, MYL, 222-J-RD(4.5*12)
C136	08E33403S01	CAP, MYL, 222-J-RD(4.5*12)
C137	08E33403S01	CAP, MYL, 222-J-RD(4.5*12)
C138	08E33403S01	CAP, MYL, 222-J-RD(4.5*12)
C139	08E33403S01	CAP, MYL, 222-J-RD(4.5*12)
C140	08E33110S01	CAP, CER 102-K-B1H-CP
C141	08E33110S01	CAP, CER 102-K-B1H-CP
C142	08E33110S01	CAP, CER 102-K-B1H-CP
C201	08E33403S01	CAP, MYL, 222-J-RD(4.5*12)
C202	08E31816S01	CAP, CER 472-K-B1H-CP
C203	08E31820S01	CAP, CER 104-K-B1E-CP
C204	08E28771S01	CAP, CER 103-K-B1H-CP
C205	08E28771S01	CAP, CER 103-K-B1H-CP
C206	08E31820S01	CAP, CER 104-K-B1E-CP
C207	08S45677W14	CAP, CER. 12RJ-CH1H-CP
C208	08S45677W14	CAP, CER. 12RJ-CH1H-CP
C210	08E28771S01	CAP, CER 103-K-B1H-CP
C211	08E31820S01	CAP, CER 104-K-B1E-CP
C212	08E28771S01	CAP, CER 103-K-B1H-CP

Symbol No.	Part No.	Description
C213	08E28771S01	CAP, CER 103-K-B1H-CP
C214	08E28771S01	CAP, CER 103-K-B1H-CP
C215	08E28771S01	CAP, CER 103-K-B1H-CP
C216	08E31828S01	CAP, CER 152-K-B1H-CP
C217	08E33395S01	CAP, CER 47R-J-CH1H-CP
C218	08E33395S01	CAP, CER 47R-J-CH1H-CP
C219	08E28771S01	CAP, CER 103-K-B1H-CP
C220	08E33110S01	CAP, CER 102-K-B1H-CP
C221	08E33110S01	CAP, CER 102-K-B1H-CP
C222	08E33110S01	CAP, CER 102-K-B1H-CP
C223	08E31816S01	CAP, CER 472-K-B1H-CP
C301	08E33406S01	CAP, MYL, 333-J-RD(8.0*12)
C302	08E31820S01	CAP, CER 104-K-B1E-CP
C303	08E31820S01	CAP, CER 104-K-B1E-CP
C304	08E31820S01	CAP, CER 104-K-B1E-CP
C305	08E28771S01	CAP, CER 103-K-B1H-CP
C306	08E31820S01	CAP, CER 104-K-B1E-CP
C308	08E31820S01	CAP, CER 104-K-B1E-CP
C311	08E32056S01	CAP, CER 101-J-CH1H-CP
C316	08E31820S01	CAP, CER 104-K-B1E-CP
C317	08E31820S01	CAP, CER 104-K-B1E-CP
C319	08E31820S01	CAP, CER 104-K-B1E-CP
C320	08E31820S01	CAP, CER 104-K-B1E-CP
C323	08E32056S01	CAP, CER 101-J-CH1H-CP
C324	08E31820S01	CAP, CER 104-K-B1E-CP
C325	08E31820S01	CAP, CER 104-K-B1E-CP
C327	08E31820S01	CAP, CER 104-K-B1E-CP
C328	08E31820S01	CAP, CER 104-K-B1E-CP
C329	08E31820S01	CAP, CER 104-K-B1E-CP
C330	08E32056S01	CAP, CER 101-J-CH1H-CP
C331	08E32056S01	CAP, CER 101-J-CH1H-CP
C332	08E32056S01	CAP, CER 101-J-CH1H-CP
C333	08E32056S01	CAP, CER 101-J-CH1H-CP
C336	08E33110S01	CAP, CER 102-K-B1H-CP
C337	08E33110S01	CAP, CER 102-K-B1H-CP
C401	08E31820S01	CAP, CER 104-K-B1E-CP
C402	08E33354S01	CAP, MYL, 123-J-RD(5.6*12)
C403	08E31888S01	CAP, MF 474-J-63V-RD
C404	08E33405S01	CAP, MYL, 103-J-RD(5.0*12)
C405	08E33110S01	CAP, CER 102-K-B1H-CP
C502	08E31991S01	CAP, CER 222-K-B1H-CP
C503	08E31820S01	CAP, CER 104-K-B1E-CP
C504	08S45677W60	CAP, CER 102J-CH1H-CP
C505	08S55504Y01	CAP, CER 334 MX7R2A-CP
C511	08E31932S01	CAP, CER 224-Z-F1C-CP
C512	08S45677W60	CAP, CER 102J-CH1H-CP
C513	08E31820S01	CAP, CER 104-K-B1E-CP
C514	08E31991S01	CAP, CER 222-K-B1H-CP
C516	08S45539Y05	CAP, CER 152Kx7R2J-CP

MRD-M500

Symbol No.	Part No.	Description
C517	08T55494Y01	CAP,MPCFA 105J-2E +
C518	08E31888S01	CAP, MF 474-J-63V-RD
C520	08E31820S01	CAP,CER 104-K-B1E-CP
C521	08E31820S01	CAP,CER 104-K-B1E-CP
C522	08E31820S01	CAP,CER 104-K-B1E-CP
C523	08E31820S01	CAP,CER 104-K-B1E-CP
C524	08E31820S01	CAP,CER 104-K-B1E-CP
C525	08E31991S01	CAP,CER 222-K-B1H-CP
C527	08S45539Y05	CAP,CER 152Kx7R2J-CP
C528	08T55494Y01	CAP,MPCFA 105J-2E +
C529	08E31888S01	CAP, MF 474-J-63V-RD
C530	08S45677W60	CAP, CER 102J-CH1H-CP
C531	08E31820S01	CAP,CER 104-K-B1E-CP
C532	08S55504Y01	CAP,CER 334 MX7R2A-CP
C533	08E31820S01	CAP,CER 104-K-B1E-CP
C535	08S45677W60	CAP, CER 102J-CH1H-CP
C536	08E31991S01	CAP,CER 222-K-B1H-CP
C537	08E33110S01	CAP,CER 102-K-B1H-CP
C539	08E33110S01	CAP,CER 102-K-B1H-CP
C541	08E33110S01	CAP,CER 102-K-B1H-CP
C543	08E33110S01	CAP,CER 102-K-B1H-CP
C547	08S45539Y01	CAP,CER 102KX7R2J-CP
C548	08S45539Y01	CAP,CER 102KX7R2J-CP
C549	08S55504Y01	CAP,CER 334 MX7R2A-CP
C550	08S55504Y01	CAP,CER 334 MX7R2A-CP
C551	08S55504Y01	CAP,CER 334 MX7R2A-CP
C552	08S55504Y01	CAP,CER 334 MX7R2A-CP
C553	08S55504Y01	CAP,CER 334 MX7R2A-CP
C554	08E33110S01	CAP,CER 102-K-B1H-CP
C555	08E33110S01	CAP,CER 102-K-B1H-CP
C556	08E33110S01	CAP,CER 102-K-B1H-CP
C557	08E33110S01	CAP,CER 102-K-B1H-CP
C560	08E31820S01	CAP,CER 104-K-B1E-CP
C561	08E31820S01	CAP,CER 104-K-B1E-CP
C562	08E31820S01	CAP,CER 104-K-B1E-CP
C563	08E31820S01	CAP,CER 104-K-B1E-CP
C564	08E31820S01	CAP,CER 104-K-B1E-CP
C565	08E33110S01	CAP,CER 102-K-B1H-CP
C566	08E31820S01	CAP,CER 104-K-B1E-CP
C567	08E33110S01	CAP,CER 102-K-B1H-CP
C568	08E31820S01	CAP,CER 104-K-B1E-CP
C569	08E33110S01	CAP,CER 102-K-B1H-CP
C570	08E31820S01	CAP,CER 104-K-B1E-CP
C571	08E33110S01	CAP,CER 102-K-B1H-CP
C572	08E31820S01	CAP,CER 104-K-B1E-CP
C573	08E33110S01	CAP,CER 102-K-B1H-CP
C574	08E31820S01	CAP,CER 104-K-B1E-CP
C575	08E33110S01	CAP,CER 102-K-B1H-CP
C576	08E31820S01	CAP,CER 104-K-B1E-CP

Symbol No.	Part No.	Description
C577	08E33110S01	CAP,CER 102-K-B1H-CP
C578	08E31820S01	CAP,CER 104-K-B1E-CP
C579	08E33110S01	CAP,CER 102-K-B1H-CP
C580	08E31820S01	CAP,CER 104-K-B1E-CP
C581	08E33110S01	CAP,CER 102-K-B1H-CP
C582	08E31820S01	CAP,CER 104-K-B1E-CP
C583	08E33110S01	CAP,CER 102-K-B1H-CP
C584	08E31820S01	CAP,CER 104-K-B1E-CP
C585	08E33110S01	CAP,CER 102-K-B1H-CP
C586	08E31820S01	CAP,CER 104-K-B1E-CP
C587	08E33110S01	CAP,CER 102-K-B1H-CP
C588	08S45539Y04	CAP, CER 103KX7R2J-CP
C589	08S45539Y04	CAP, CER 103KX7R2J-CP
C602	08E31170S01	CAP,CER 223-K-B1H-CP
C603	08E28771S01	CAP,CER 103-K-B1H-CP
C604	08E31820S01	CAP,CER 104-K-B1E-CP
C605	08E31820S01	CAP,CER 104-K-B1E-CP
C607	08S45539Y01	CAP,CER 102KX7R2J-CP
C608	08E33110S01	CAP,CER 102-K-B1H-CP
C610	08E29517S01	CAP,TF,AMCS 682-J-RD
C614	08S45539Y01	CAP,CER 102KX7R2J-CP
C615	08E33110S01	CAP,CER 102-K-B1H-CP
C617	08E31991S01	CAP,CER 222-K-B1H-CP
C618	08E28771S01	CAP,CER 103-K-B1H-CP
C619	08T95420W01	CAP CER, 101K-R2J
C620	08S45539Y04	CAP, CER 103KX7R2J-CP
C621	08S45539Y04	CAP, CER 103KX7R2J-CP
C622	08E31820S01	CAP,CER 104-K-B1E-CP
C623	08E31820S01	CAP,CER 104-K-B1E-CP
C626	08E28771S01	CAP,CER 103-K-B1H-CP
C627	08E33110S01	CAP,CER 102-K-B1H-CP
C628	08E33110S01	CAP,CER 102-K-B1H-CP
C629	08E31820S01	CAP,CER 104-K-B1E-CP
C630	08T95420W01	CAP CER, 101K-R2J
C631	08T95420W01	CAP CER, 101K-R2J
C632	08E31820S01	CAP,CER 104-K-B1E-CP
C633	08E31820S01	CAP,CER 104-K-B1E-CP
C634	08E31820S01	CAP,CER 104-K-B1E-CP
C635	08E31820S01	CAP,CER 104-K-B1E-CP
C636	08E31820S01	CAP,CER 104-K-B1E-CP
C637	08E31820S01	CAP,CER 104-K-B1E-CP
C638	08E31820S01	CAP,CER 104-K-B1E-CP
C639	08E28771S01	CAP,CER 103-K-B1H-CP
C640	08E31820S01	CAP,CER 104-K-B1E-CP
C801	08E28771S01	CAP,CER 103-K-B1H-CP
C901	08E32056S01	CAP,CER 101-J-CH1H-CP
C902	08E32056S01	CAP,CER 101-J-CH1H-CP
E101	23E33350S01	CAP,ELEC,SHL 10/50-M-RD
E102	23E33350S01	CAP,ELEC,SHL 10/50-M-RD

Symbol No.	Part No.	Description
E103	23E33350S01	CAP, ELEC, SHL 10/50-M-RD
E104	23E33350S01	CAP, ELEC, SHL 10/50-M-RD
E110	23E33401S01	CAP, ELEC, SHL 100/10-M-RD
E111	23E33400S01	CAP, ELEC, SHL 47/16-M-RD
E112	23E28524S01	CAP, ELEC, 4.7/35-M-RD
E113	23E28524S01	CAP, ELEC, 4.7/35-M-RD
E114	23E28524S01	CAP, ELEC, 4.7/35-M-RD
E115	23E28618S01	CAP, ELEC, 0.47/50-M-RD
E116	23E28618S01	CAP, ELEC, 0.47/50-M-RD
E117	23E33399S01	CAP, ELEC, SHL 22/16-M-RD
E118	23E33399S01	CAP, ELEC, SHL 22/16-M-RD
E119	23E33399S01	CAP, ELEC, SHL 22/16-M-RD
E120	23E33399S01	CAP, ELEC, SHL 22/16-M-RD
E121	23S82372F07	CAP, ELY 4R7-1C-BP-R2
E122	23S82372F07	CAP, ELY 4R7-1C-BP-R2
E123	23S82372F07	CAP, ELY 4R7-1C-BP-R2
E124	23S82372F07	CAP, ELY 4R7-1C-BP-R2
E125	23S82372F08	CAP, ELY 10R-1C-BP-R2
E126	23S82372F08	CAP, ELY 10R-1C-BP-R2
E127	23S82372F08	CAP, ELY 10R-1C-BP-R2
E128	23S82372F08	CAP, ELY 10R-1C-BP-R2
E129	23E33350S01	CAP, ELEC, SHL 10/50-M-RD
E130	23E33350S01	CAP, ELEC, SHL 10/50-M-RD
E131	23E33399S01	CAP, ELEC, SHL 22/16-M-RD
E201	23E33350S01	CAP, ELEC, SHL 10/50-M-RD
E203	23E33400S01	CAP, ELEC, SHL 47/16-M-RD
E204	23E33400S01	CAP, ELEC, SHL 47/16-M-RD
E205	23E33400S01	CAP, ELEC, SHL 47/16-M-RD
E206	23E33400S01	CAP, ELEC, SHL 47/16-M-RD
E207	23E33400S01	CAP, ELEC, SHL 47/16-M-RD
E208	23E33400S01	CAP, ELEC, SHL 47/16-M-RD
E209	23E33401S01	CAP, ELEC, SHL 100/10-M-RD
E301	23E33401S01	CAP, ELEC, SHL 100/10-M-RD
E302	23E33399S01	CAP, ELEC, SHL 22/16-M-RD
E303	23E33399S01	CAP, ELEC, SHL 22/16-M-RD
E304	23E33399S01	CAP, ELEC, SHL 22/16-M-RD
E305	23E28524S01	CAP, ELEC, 4.7/35-M-RD
E306	23E33399S01	CAP, ELEC, SHL 22/16-M-RD
E401	23E33399S01	CAP, ELEC, SHL 22/16-M-RD
E501	23T65093Y01	CAP, PW 10R-2A-R2
E502	23S95415W10	CAP, ELY 10R-1V-R2
E503	23S95415W10	CAP, ELY 10R-1V-R2
E505	23S95415W17	CAP, ELY 1R0-1H-R2
E506	23T65093Y01	CAP, PW 10R-2A-R2
E507	23S95415W17	CAP, ELY 1R0-1H-R2
E508	23S95415W17	CAP, ELY 1R0-1H-R2
E509	23T65093Y01	CAP, PW 10R-2A-R2
E510	23T65093Y01	CAP, PW 10R-2A-R2
E511	23T65093Y01	CAP, PW 10R-2A-R2

Symbol No.	Part No.	Description
E512	23T65093Y01	CAP, PW 10R-2A-R2
E513	23T65093Y01	CAP, PW 10R-2A-R2
E514	23E33400S01	CAP, ELEC, SHL 47/16-M-RD
E601	23E33345S01	CAP, ELEC, SHL 470/10-M-RD
E602	23S95415W05	CAP, ELY 47R-1C-R2
E603	23E33400S01	CAP, ELEC, SHL 47/16-M-RD
E605	23E33399S01	CAP, ELEC, SHL 22/16-M-RD
E606	23E33399S01	CAP, ELEC, SHL 22/16-M-RD
E607	23E33397S01	CAP, ELEC, SHL 100/25-M-RD
E608	23E33396S01	CAP, ELEC, SHL 330/10-M-RD
E609	23T25139Y12	CAP, PW 272-1V +
E611	23T25139Y12	CAP, PW 272-1V +
E612	23T25139Y12	CAP, PW 272-1V +
E614	23E33397S01	CAP, ELEC, SHL 100/25-M-RD
E617	23E33402S01	CAP, ELEC, SHL 470/25-M-RD
E618	23E33399S01	CAP, ELEC, SHL 22/16-M-RD
E619	23E28524S01	CAP, ELEC, 4.7/35-M-RD
E623	23E33400S01	CAP, ELEC, SHL 47/16-M-RD
E624	23S95415W05	CAP, ELY 47R-1C-R2
E625	23E33402S01	CAP, ELEC, SHL 470/25-M-RD
E626	23E33402S01	CAP, ELEC, SHL 470/25-M-RD
E627	23T25139Y12	CAP, PW 272-1V +
E628	23T25139Y12	CAP, PW 272-1V +
E629	23T25139Y12	CAP, PW 272-1V +
E630	23T25139Y12	CAP, PW 272-1V +
E631	23E33398S01	CAP, ELEC, SHL 2.2/50-M-RD
E632	23E33398S01	CAP, ELEC, SHL 2.2/50-M-RD
E801	23E33400S01	CAP, ELEC, SHL 47/16-M-RD
E901	23S95415W09	CAP, ELY 4R7-1V-R2

Resistors

R102	06S15593Y89	RES, RK 473F 1/10-CP
R103	06S15593Y89	RES, RK 473F 1/10-CP
R104	06S15593Y89	RES, RK 473F 1/10-CP
R105	06S15593Y89	RES, RK 473F 1/10-CP
R109	06S15593Y75	RES, RK 123F 1/10-CP
R110	06S15593Y75	RES, RK 123F 1/10-CP
R111	06S15593Y75	RES, RK 123F 1/10-CP
R112	06S15593Y75	RES, RK 123F 1/10-CP
R117	06E31174S01	RES, CF, 332-J-1/16-CP
R118	06E31174S01	RES, CF, 332-J-1/16-CP
R119	06S15593Y97	RES RK 104F-1/10-CP
R120	06S15593Y97	RES RK 104F-1/10-CP
R121	06E28624S01	RES, CF, 0R0-J-1/16-CP
R122	06E28624S01	RES, CF, 0R0-J-1/16-CP
R123	06S15593Y97	RES RK 104F-1/10-CP
R124	06S15593Y97	RES RK 104F-1/10-CP

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Symbol No.	Part No.	Description
R125	06E28624S01	RES, CF, 0R0-J-1/16-CP
R126	06E28624S01	RES, CF, 0R0-J-1/16-CP
R127	06E31148S01	RES, CF, 101-J-1/16-CP
R128	06E31148S01	RES, CF, 101-J-1/16-CP
R129	06E31148S01	RES, CF, 101-J-1/16-CP
R130	06E31148S01	RES, CF, 101-J-1/16-CP
R131	06E23859S01	RES, CF, 391-J-1/4-CP
R132	06E23859S01	RES, CF, 391-J-1/4-CP
R133	06E23859S01	RES, CF, 391-J-1/4-CP
R134	06E23859S01	RES, CF, 391-J-1/4-CP
R135	06E31160S01	RES, CF, 473-J-1/16-CP
R136	06E31160S01	RES, CF, 473-J-1/16-CP
R137	06E31160S01	RES, CF, 473-J-1/16-CP
R138	06E31160S01	RES, CF, 473-J-1/16-CP
R139	06E28533S01	RES, CF, 102-J-1/16-CP
R140	06E28533S01	RES, CF, 102-J-1/16-CP
R141	06E28533S01	RES, CF, 102-J-1/16-CP
R142	06E28533S01	RES, CF, 102-J-1/16-CP
R143	06E31160S01	RES, CF, 473-J-1/16-CP
R144	06E31160S01	RES, CF, 473-J-1/16-CP
R145	06E31160S01	RES, CF, 473-J-1/16-CP
R146	06E31160S01	RES, CF, 473-J-1/16-CP
R147	06E31157S01	RES, CF, 203-J-1/16-CP
R148	06E31157S01	RES, CF, 203-J-1/16-CP
R149	06E28534S01	RES, CF, 103-J-1/16-CP
R150	06E28534S01	RES, CF, 103-J-1/16-CP
R151	06E28534S01	RES, CF, 103-J-1/16-CP
R152	06S15593Y49	RES, RK, 102F1/10-CP
R153	06S15593Y49	RES, RK, 102F1/10-CP
R154	06S15593Y49	RES, RK, 102F1/10-CP
R155	06S15593Y49	RES, RK, 102F1/10-CP
R156	06E28549S01	RES, CF, 472-J-1/16-CP
R157	06E28549S01	RES, CF, 472-J-1/16-CP
R158	06E28549S01	RES, CF, 472-J-1/16-CP
R159	06E28549S01	RES, CF, 472-J-1/16-CP
R160	06E28533S01	RES, CF, 102-J-1/16-CP
R161	06E28533S01	RES, CF, 102-J-1/16-CP
R162	06E28533S01	RES, CF, 102-J-1/16-CP
R163	06E28533S01	RES, CF, 102-J-1/16-CP
R164	06E28533S01	RES, CF, 102-J-1/16-CP
R201	06E28533S01	RES, CF, 102-J-1/16-CP
R205	06E31685S01	RES, CF, 105-J-1/16-CP
R206	06E28533S01	RES, CF, 102-J-1/16-CP
R207	06E28533S01	RES, CF, 102-J-1/16-CP
R208	06E31160S01	RES, CF, 473-J-1/16-CP
R301	06E20752S01	RES, CF, 221-J-1/4-CP
R302	06E31153S01	RES, CF, 222-J-1/16-CP
R304	06E28788S01	RES, CF, 122-J-1/16-CP
R305	06E28534S01	RES, CF, 103-J-1/16-CP

Symbol No.	Part No.	Description
R306	06E28534S01	RES, CF, 103-J-1/16-CP
R307	06S15593Y49	RES, RK, 102F1/10-CP
R308	06S15593Y97	RES RK 104F-1/10-CP
R309	06S15593Y97	RES RK 104F-1/10-CP
R310	06S15593Y49	RES, RK, 102F1/10-CP
R324	06S15593Y73	RES, RK 103F 1/10-CP
R325	06S15593Y65	RES CF, 472-F-1/10-CP
R329	06E28548S01	RES, CF, 471-J-1/16-CP
R330	06E28534S01	RES, CF, 103-J-1/16-CP
R331	06E28534S01	RES, CF, 103-J-1/16-CP
R333	06E28533S01	RES, CF, 102-J-1/16-CP
R334	06E28537S01	RES, CF, 104-J-1/16-CP
R335	06E28533S01	RES, CF, 102-J-1/16-CP
R336	06E28537S01	RES, CF, 104-J-1/16-CP
R338	06E28534S01	RES, CF, 103-J-1/16-CP
R339	06E22074S01	RES, CF, 102-J-1/4-CP
R345	06E31160S01	RES, CF, 473-J-1/16-CP
R347	06E28537S01	RES, CF, 104-J-1/16-CP
R348	06E28537S01	RES, CF, 104-J-1/16-CP
R349	06E28534S01	RES, CF, 103-J-1/16-CP
R350	06E28534S01	RES, CF, 103-J-1/16-CP
R351	06E28534S01	RES, CF, 103-J-1/16-CP
R352	06E22074S01	RES, CF, 102-J-1/4-CP
R353	06E20547S01	RES, CF, 561-J-1/4-CP
R354	06E28548S01	RES, CF, 471-J-1/16-CP
R355	06E28537S01	RES, CF, 104-J-1/16-CP
R356	06E28548S01	RES, CF, 471-J-1/16-CP
R357	06E28537S01	RES, CF, 104-J-1/16-CP
R358	06E20547S01	RES, CF, 561-J-1/4-CP
R359	06S15594Y02	RES, RK 154F 1/10-CP
R360	06S15594Y02	RES, RK 154F 1/10-CP
R401	06E31174S01	RES, CF, 332-J-1/16-CP
R402	06E32201S01	RES, CF, 391-J-1/16-CP
R403	06E31148S01	RES, CF, 101-J-1/16-CP
R501	06E31148S01	RES, CF, 101-J-1/16-CP
R503	06E28624S01	RES, CF, 0R0-J-1/16-CP
R506	06E33314S01	RES RW 0.01R-J-5W
R507	06E22114S01	RES, CF, 27R-J-1/4-CP
R508	06E24393S01	RES, CF 56R-J-1/4-CP
R514	06S15593Y49	RES, RK, 102F1/10-CP
R515	06S35083Y32	RES, RK 392F-1/4-CP
R519	06S15593Y61	RES, RK 332F 1/10-CP
R520	06E23264S01	RES, CF, 24R-J-1/4-CP
R521	06E23264S01	RES, CF, 24R-J-1/4-CP
R524	06E28624S01	RES, CF, 0R0-J-1/16-CP
R527	06E33314S01	RES RW 0.01R-J-5W
R528	06E28534S01	RES, CF, 103-J-1/16-CP
R529	06E22115S01	RES, CF, 101-J-1/4-CP
R530	06E28624S01	RES, CF, 0R0-J-1/16-CP

Symbol No.	Part No.	Description
R534	06E31148S01	RES,CF,101-J-1/16-CP
R535	06E33386S01	RES,MO 3W-J-27
R536	06E33386S01	RES,MO 3W-J-27
R537	06E33385S01	RES,MO 3W-J-10
R538	06E33385S01	RES,MO 3W-J-10
R539	06E28624S01	RES,CF,0R0-J-1/16-CP
R540	06E31148S01	RES,CF,101-J-1/16-CP
R543	06E23264S01	RES,CF, 24R-J-1/4-CP
R545	06E33314S01	RES RW 0.01R-J-5W
R546	06S15593Y49	RES,RK,102F1/10-CP
R547	06E23264S01	RES,CF, 24R-J-1/4-CP
R548	06S35083Y32	RES,RK 392F-1/4-CP
R550	06E22114S01	RES,CF, 27R-J-1/4-CP
R551	06E28624S01	RES,CF,0R0-J-1/16-CP
R553	06E24393S01	RES,CF 56R-J-1/4-CP
R554	06E28624S01	RES,CF,0R0-J-1/16-CP
R555	06E33314S01	RES RW 0.01R-J-5W
R557	06E31148S01	RES,CF,101-J-1/16-CP
R559	06E23264S01	RES,CF, 24R-J-1/4-CP
R560	06E23264S01	RES,CF, 24R-J-1/4-CP
R562	06E28624S01	RES,CF,0R0-J-1/16-CP
R601	06E31160S01	RES,CF,473-J-1/16-CP
R602	06E22076S01	RES,CF, 222-J-1/4-CP
R603	06E31160S01	RES,CF,473-J-1/16-CP
R604	06E26239S01	RES,CF, 103-J-1/4-CP
R605	06S15593Y87	RES,RK,393F1/10-CP
R606	06E28534S01	RES,CF,103-J-1/16-CP
R607	06S15593Y84	RES,RK 303F 1/10-CP
R609	06E33335S01	RES,CF, 303-J-1/4-CP
R610	06S15593Y91	RES,RK,563F1/10-CP
R611	06S15593Y73	RES, RK 103F 1/10-CP
R613	06E23900S01	RES,CF, 20R-J1/4-CP
R621	06E31153S01	RES,CF,222-J-1/16-CP
R622	06E32034S01	RES,CF,202-J-1/16-CP
R625	06E31160S01	RES,CF,473-J-1/16-CP
R629	06E23900S01	RES,CF, 20R-J1/4-CP
R631	06E28549S01	RES,CF,472-J-1/16-CP
R632	06E28534S01	RES,CF,103-J-1/16-CP
R633	06S15593Y91	RES,RK,563F1/10-CP
R634	06E22074S01	RES,CF, 102-J-1/4-CP
R635	06E22074S01	RES,CF, 102-J-1/4-CP
R636	06E33392S01	RES,CF,821-J-1/16-CP
R638	06S15593Y60	RES,RK 302F 1/10-CP
R639	06E31806S01	RES,CF,244-J-1/16-CP
R640	06E31158S01	RES,CF,243-J-1/16-CP
R641	06S15593Y49	RES,RK,102F1/10-CP
R642	06S15593Y81	RES RK 223F 1/10-CP
R643	06E22076S01	RES,CF, 222-J-1/4-CP
R644	06E22076S01	RES,CF, 222-J-1/4-CP

Symbol No.	Part No.	Description
R645	06E22076S01	RES,CF, 222-J-1/4-CP
R646	06E31159S01	RES,CF,303-J-1/16-CP
R647	06E28549S01	RES,CF,472-J-1/16-CP
R648	06E28549S01	RES,CF,472-J-1/16-CP
R649	06E23900S01	RES,CF, 20R-J1/4-CP
R650	06E23900S01	RES,CF, 20R-J1/4-CP
R651	06E22071S01	RES,CF 10R-J-1/4-CP
R652	06E22071S01	RES,CF 10R-J-1/4-CP
R653	06E22071S01	RES,CF 10R-J-1/4-CP
R654	06E22071S01	RES,CF 10R-J-1/4-CP
R655	06E28549S01	RES,CF,472-J-1/16-CP
R656	06E28549S01	RES,CF,472-J-1/16-CP
R657	06S15593Y49	RES,RK,102F1/10-CP
R701	06E28534S01	RES,CF,103-J-1/16-CP
R702	06E28534S01	RES,CF,103-J-1/16-CP
R703	06E28549S01	RES,CF,472-J-1/16-CP
R704	06E28535S01	RES,CF,223-J-1/16-CP
R705	06E31160S01	RES,CF,473-J-1/16-CP
R706	06E28535S01	RES,CF,223-J-1/16-CP
R708	06E28535S01	RES,CF,223-J-1/16-CP
R709	06E31160S01	RES,CF,473-J-1/16-CP
R803	06E28549S01	RES,CF,472-J-1/16-CP
R901	06E28534S01	RES,CF,103-J-1/16-CP
R902	06S15593Y55	RES,RK 182F 1/10-CP
R903	06S15593Y97	RES RK 104F-1/10-CP
R904	06E28534S01	RES,CF,103-J-1/16-CP
R905	06S15593Y97	RES RK 104F-1/10-CP
R906	06S15593Y55	RES,RK 182F 1/10-CP
R907	06E31682S01	RES,CF,393-J-1/16-CP

Connector

CB302	09E33334S01	FPC CONNECTOR SMT 52610-1690

Miscellaneous

DIN301	09E33321S01	7P DIN SOCKET SCREW TYPE (CONTROLLER)
F601	65E25559S01	FUSE,AUTO 60A(For Battery Line)
JK101	09E32052S01	RCA JACK 04P(ISOLATED) (INPUT/PRE OUT·CH-1/CH-2)
TML101	09E33391S01	POWER TERMINAL(3P)(POWER SUPPLY)
TML501	29E29484S01	BLOCK TERMINAL 2P(SPEAKER OUTPUT)

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Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		----------	MAIN HEAT SINK
2		----------	CHAS, FRONT
3		----------	CHAS, SIDE(G)
4		----------	COVER, BOTTOM(B)
5		03E09416S10	SCR M3X8(P)TPG-TPT(BLK)
6		03E33356S01	SCR M2.6X8(P) MCH(BLK)
7		03E29347S01	SCR M3X11(W)TPG-TPT(YEL)
8		03E33357S01	SCR M3X7(B)TPG-TPT(BLK)
9		03E09417S01	SCR M2.6X5(B)MCH-TPT (WHT)
10		03E29276S01	SCR M3X6(B)TPG-TPT(WHT)
11		03E09417S08	SCR M3X5(B)TPG-TPT(BLK)
12		03E33358S01	SCR M3X6(S)TPG-TPT(YEL)
13		03E33407S01	SCR M3X6(B) MCH(MFSn-WHT)
14		----------	BADGE, PLATE
15		----------	SUPPORT PWB
16		07E33359S01	BKT, TR(A)
17		07E33360S01	BKT, TR(D)
18		----------	STUD, GROUND
19		64E33408S01	SHEET, MONO(B)
20		15E33362S01	COVER, SHAFT
21		15E33363S01	COVER, HINGE(R)
22		----------	HINGE ASS'Y
23		----------	SHAFT, HINGE
24		03E28022S01	SCR(MFSn-2)M2.6X6(B)TPG-TPT(WHT)
25		03E20077S01	SCR M3X6(B)TPG-TPT(BLK)
26		03E33366S01	WRENCH BOLT M3X12(WHT)
27		----------	COVER H/SINK
28		----------	SCALE PLATE
30		09T95463W01	FUSE HOLDER
31		75E34176S01	SIL PAD 800SAC(300X23)
32		----------	LUG, GND
33		75T55561Y01	CUSHION CONDUCTION

Symbol No.	Index	Part No.	Description

Exploded View (Cabinet)